

WHAT IS CLAIMED IS:

1. A turbojet thrust reverser comprising two doors each displaceable between an open position and a closed position of the reverser by means of at least one
5 respective control actuator, the reverser further comprising:
 - two electric motors each driving said at least one control actuator for each door; each motor being controlled by an electronic control unit connected to a
10 full authority digital engine control; and
 - two servo-control means for controlling the displacement of corresponding ones of said doors as a function of determined position references, said servo-control means enabling said doors to be displaced
15 synchronously as a function of any variation in the forces exerted on the reverser and as a function of any force difference between the two doors.
2. A thrust reverser according to claim 1, wherein said
20 servo-control means include means for calculating variation in the forces exerted on the reverser and means for compensating said force variation.
3. A thrust reverser according to claim 2, wherein said
25 means for calculating force variation comprise:
 - means for calculating the time derivatives of the speeds of rotation of each of said electric motors;
 - means for calculating the time derivatives of the excitation currents powering each of said electric
30 motors; and
 - means for calculating variation in the forces exerted on the reverser on the basis of said calculated derivatives of the speeds of rotation and the excitation currents of each of said electric motors.
- 35 4. A thrust reverser according to claim 2, wherein said means for compensating said force variation on the

reverser include means for acting on the excitation currents of each of each electric motors.

5 5. A thrust reverser according to claim 1, wherein said servo-control means include means for calculating a force difference between the two doors, and means for correcting said force difference.

10 6. A thrust reverser according to claim 5, wherein said means for calculating said force difference between the two doors comprise:

- means for calculating time derivatives of the excitation currents feeding each of said electric motors;
- means for comparing said derivatives of the excitation currents of said electric motors; and
- 15 - means for calculating said force difference on the basis of said comparison of the derivatives of the excitation currents of the electric motors.

20 7. A thrust reverser according to claim 5, wherein said means for correcting the force difference comprise means for acting on the excitation current or on the speed of rotation of each of said electric motors.

25 8. A thrust reverser according to claim 3, wherein the servo-control means include means for measuring the speed of rotation of each of the electric motors and means for measuring the excitation current feeding each of said electric motors.

30 9. A thrust reverser according to claim 1, wherein the servo-control means further comprise means for generating a reference speed of rotation and a reference excitation current for each of said electric motors as a function of
35 a difference between a real position of each door and a reference position as delivered by said full authority digital engine controller.

10. A thrust reverser according to claim 9, wherein the servo-control means further comprise means for measuring the real positions of said doors.